

# ADVANCED PLANNING BRIEFING TO INDUSTRY

## TANK & MEDIUM CALIBER ARMAMENT SYSTEMS

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Business Manager**

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LEGACY FORCE



BRIGADE COMBAT TEAM



OBJECTIVE FORCE



# **TANK & MEDIUM-CALIBER ARMAMENT SYSTEMS MISSION**

**Provide the Army and the Department of Defense With World Class Direct Fire Main Armaments for Use in Ground Combat Weapons Platforms**

**Platforms Include - Abrams Tank, Bradley Fighting Vehicles, Mobile Gun System and Future Combat System**

**Medium-caliber Ammunition**



**105mm/120mm Tank Ammunition**



# PM TMAS

## MAJOR ON-GOING INITIATIVES

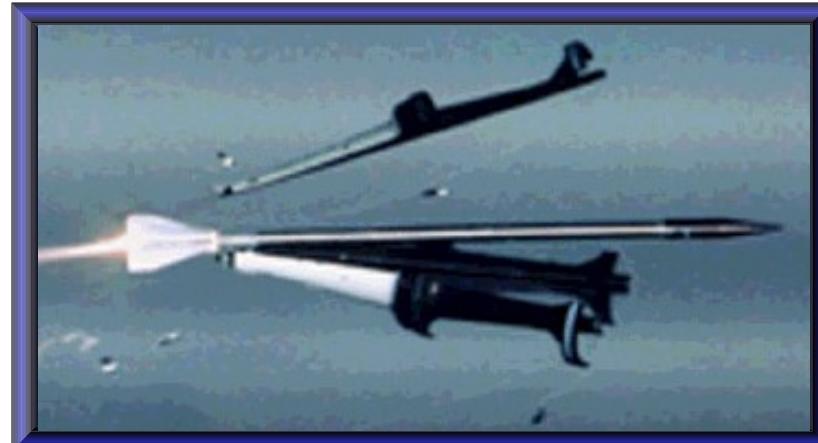
### DEVELOPMENT

- 120mm Cartridges
  - M829E3 Kinetic Energy Cartridge ([Alliant](#))
  - XM1002 Multi-Purpose Anti-Tank (MPAT) Trainer ([Alliant](#))
- 105mm Mid-Range Munition ([Alliant](#)) ([Raytheon](#))



### PRODUCTION

- 25mm M919 Kinetic Energy Cartridge ([General Dynamics](#))
- M829E3 Kinetic Energy Cartridge ([Alliant](#))
- 120mm M830A1 Multi-Purpose Cartridge ([Alliant](#))
- 120mm XM908 High Explosive, Obstacle Reduction Cartridge ([General Dynamics](#))
- 120mm Advanced Tungsten Kinetic Energy for Egypt ([General Dynamics](#))



# FY02 (EXISTING R&D CONTRACTS)

## ■ M829E3 (APFSDS-T)

- Contract w/Alliant
  - EMD Complete in FY02
  - Production Starts: FY02



## ■ XM1002 (TPCSDS-T)

- Contract w/Alliant
  - R&D: FY00-FY03
  - Production Starts: FY04



## ■ Mid-Range Munition

- Contracts w/Alliant and Raytheon



# **FY02 (EXISTING PRODUCTION CONTRACTS)**

- XM908 (HE-OR-T)**
  - Contract w/General Dynamics
  - Deliveries Complete - FY02
- M830A1 (MPAT-T)**
  - Contract w/Alliant
  - Army Deliveries Complete - FY 02
- KEW-A1/A2 (Tungsten APFSDS-T for Egypt)**
  - Contract w/General Dynamics
- M829E3 (APFSDS-T)**
  - Contract w/Alliant
- M919 (APFSDS-T)**
  - Contract w/General Dynamics
  - Deliveries Complete - FY03

# POTENTIAL OPPORTUNITIES

## FY02/03

- 120mm XM1028 CANISTER
- 120mm M830A1 USMC Buy
- 105mm AMMO for MGS
- 25mm TP-T M910E1

# CTG, 120MM, XM1028, CANISTER

## ■ Acquisition Strategy - Competitive Best Value Award

- U.S./Canada
- Performance Specification
- Gov't Design/Test Data Provided for Info

## ■ Program Strategy

- Contractor R&D Effort: FY02-FY03
- Low Rate Prod. FY03: 2000 Cartridges
- Full Rate Production
  - FY04 - FY07: 8000 Cartridges Per
  - FY08: 6000 Cartridges



# NEW MGS MUNITION

- **High Explosive (11,500 Total for Tactical and Ramp Up to 15,000/year for Training Cartridges)**
  - **Defeat a Standard Infantry Bunker and Create an Opening in Double Reinforced Concrete Walls Large Enough for an Infantry Soldier and Equipment to Pass Through (2' X 4')**
- **Performance Specifications (U.S. Tech Data Provided For Information Only)**
  - **Based on Current 105mm Ammo Brought to Current Safety Standards (e.g. Dual Safe Fuze) As Threshold With Aggressive Performance Levels As Objective**
- **Full and Open Competition (Tactical)**
  - **Non-Developmental Item (NDI) Acquisition**
  - **Best Value Award**
  - **North American Production Required (Training)**
- **Award in 3QFY02**

# **CTG,105MM, XM1040, Canister**

## **■ Acquisition Strategy - Competitive Best Value Award**

- U.S./Canada**
- Performance Specification**
- Gov't Design/Test Data Provided for Info**

## **■ RDTE FY03-04, Follow-on Production**



# **CTG, 25MM, M910E1, TP-T**

- **Acquisition Strategy - Competitive Best Value Award**
  - U.S./Canada
  - Performance Specification
- **RDTE FY03-04, Follow-on Production**
- **Will replace M910 TPDS-T**

# **SUMMARY**

## **■ Opportunities May Exist With:**

- 120mm Canister and M830A1**
- 105mm Ammo for MGS**
- 25mm M910E1**

## **■ Sub-Contracting Through System Contractors**

## **■ Opportunities - Funding and Requirement Dependent**

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